

Claims

1. Use of cooled alcohol, mixed with a salt selected from the group consisting of the alkali metals, beryllium group and alkaline-earth metals, as coolant for the freezing or superficial freezing of foods such as slabs of sausage or cheese.
2. Use of cooled alcohol according to claim 1, wherein said alcohol is an alcohol selected from the group consisting of distilled spirits, ethanol, alkanes and acetic acid esters or a mixture thereof.
3. Use of cooled alcohol according to claim 2 wherein said acetic acid ester is an acetic acid ester selected from the group consisting of butyl acetate, ethyl acetate and acetone.
4. Use of cooled alcohol according to claim 1, wherein said salt is common salt.
5. Coolant for the freezing or superficial freezing of foods such as slabs of sausage or cheese, said coolant containing alcohol wherein a salt selected from the group consisting of the alkali metals, beryllium group and alkaline-earth metals, is added to said coolant.
6. Coolant according to claim 5 wherein said coolant contains an alcohol selected from the group consisting of distilled spirits, ethanol, alkanes, acetic acid ester, or a mixture thereof.

09976446, 104504

7. Coolant according to claim 6 wherein said acetic acid ester is an acetic acid ester selected from the group consisting of butyl acetate, ethyl acetate and acetone.

8. Use of alcohol according to claim 1 wherein distilled water is added to said coolant.

9. Coolant according to claim 5 wherein distilled water is added to said coolant.

10. Use of alcohol according to claim 8 wherein said coolant contains between 50% and 90% by weight of alcohol, based on said coolant.

11. Use of alcohol according to claim 10 wherein said coolant contains about 70% by weight of alcohol, based on said coolant.

12. Coolant according to claim 9 wherein said coolant contains between 50% and 90% by weight of alcohol, based on said coolant.

13. Coolant according to claim 12 wherein said coolant contains about 70% by weight of alcohol, based on said coolant.

14. Use of alcohol according to claim 1 wherein between 0.5% and 10.0% by weight of salt, based on the weight of said coolant are added to said coolant.

09975145-101501

15. Use of alcohol according to claim 14 wherein 3.0% by weight of salt, based on the weight of said coolant are added to said coolant.

16. Coolant according to claim 5 wherein between 0.5% and 10.0% by weight of salt, based on the weight of said coolant are added to said coolant.

17. Coolant according to claim 16 wherein 3.0% by weight of salt, based on the weight of said coolant are added to said coolant.

18. Use of alcohol or coolant according to claim 1 wherein said coolant has a temperature of -40°C to -10°C .

19. Use of alcohol or coolant according to claim 18, wherein said coolant has a temperature of -30°C to -20°C .

20. Use of alcohol according to claim 1 wherein a flavouring is added to said coolant.

21. Use of alcohol according to claim 20 wherein said flavouring is in the form of an alcoholic beverage

22. Use of alcohol according to claim 20 wherein said flavouring is in the form of an essential substance.

23. Use of coolant according to claim 5 wherein a flavouring is added to said coolant.

24. Use of coolant according to claim 23 wherein said flavouring is in the form of an alcoholic beverage

09976446-104501
FOUO 94F92650

25. Use of coolant according to claim 23 wherein said flavouring is in the form of an essential substance.

26. Process for slicing foods such as slabs of sausage or cheese, which is sliced by a cutting blade and the food is cooled prior to slicing wherein the food is immersed into a coolant according to claim 5 and is superficially frozen.

27. Process according to claim 27 wherein the coolant is substantially liquid.

28. Process for the cutting and packaging of foods, wherein the process steps according to claim 26 are followed by a packaging step during which the cut food product is packaged in plastic sheeting under vacuum or a protective atmosphere.

09976146-10504
TOSTOT-94192660